

Subject: glowbugs V1 #148
glowbugs

Friday, October 31 1997

Volume 01 : Number 148

Date: Thu, 30 Oct 1997 09:00:41 -0800 (PST)
From: Ken Gordon <keng@uidaho.edu>
Subject: Re: Grandma Hartley funzies.....

>
> Well, the new Hartley was christened tonight with a QSO with Jim,
> W8ZR. Earlier today it was breezy enough that all my antennas
> were swinging so much that the signal would have been wobbling
> all over the band but it was calm and steady tonight.
>
> A lot of QSB and some QRN so the QSO was short - heard others
> complain of lousy conditions too. Other BAers heard were
> N4QY, N4ULL, WS4S, W5TVW, W5FRS, and W7ZFB. Knowing that some of

What times were you guys on? I was on at 0100, 0200, 0300, and 0500 and
heard no one...again.

Ken W7EKB

Date: Thu, 30 Oct 1997 12:15:36 -0600 (CST)
From: Bob Roehrig <broehrig@admin.aurora.edu>
Subject: Re: Grandma Hartley funzies.....

On Thu, 30 Oct 1997, Ken Gordon wrote:

> What times were you guys on? I was on at 0100, 0200, 0300, and 0500 and
> heard no one...again.

lessee,,,,, I think It was before 0200 that I heard N4QY QSO a couple
of stations (N4ULL was one of them). Think it was between 0200 and 0300
that W5TVW, W5FRS, and W7ZFB were on.

UFO's are real! (It's the Air Force that does not exist)
E-mail broehrig@admin.aurora.edu 73 de Bob, K9EUI
CIS: Data / Telecom Aurora University, Aurora, IL
630-844-4898 Fax 630-844-5530

Date: Thu, 30 Oct 1997 13:49:29 -0500 (EST)
From: rdkeys@csemail.cropsci.ncsu.edu
Subject: Re: GB 80M band funkies

> > What times were you guys on? I was on at 0100, 0200, 0300, and 0500 and
> > heard no one...again.
>
> lessee,,,,, I think It was before 0200 that I heard N4QY QSO a couple
> of stations (N4ULL was one of them). Think it was between 0200 and 0300
> that W5TVW, W5FRS, and W7ZFB were on.

I was on after 10pm, and heard the 5landers but could not raise anyone.
Little else was heard. Strange bands probably.

Bob/NA4G

Date: Thu, 30 Oct 1997 12:10:35 -0800 (PST)

From: Ken Gordon <keng@uidaho.edu>

Subject: Re: GB 80M band funkies

> I was on after 10pm,

Eastern Time? That is 3 hours ahead of us (Pacific time).

> and heard the 5landers but could not raise anyone.

> Little else was heard. Strange bands probably.

More than likely. Gives me an opportunity to work on the shack instead of tweaking knobs.

Ken

Date: Thu, 30 Oct 1997 19:18:50 -0500 (EST)

From: leeboo@ct.net (Leon Wiltsey)

Subject: need info

am changing servers,
need email add change procedure

Thank the good LORD for all that you have!!!

67yr old semi disabled senior trying to get code speed to 13wpm
(stroke got my eyesight, balance & coordination) SO ONLY BA'S NO SOLID STATE

Leon (lee) Wiltsey 4600 Lake Haven blvd Sebring fl. 33872 KF4RCL TECK+

Date: Thu, 30 Oct 1997 17:54:00 -0500 (EST)

From: EWoodman@aol.com

Subject: Barracks Bag VFO

Anyone planning on building an ECO? If so, what are you planning on using for a tube? I already have Hartleys for 160M and 80M so thought I'd build a version of the Barracks Bag VFO on a big 'ol breadboard. I've got 6L6's, KT88's, 6550's, 807's, etc but thought maybe a bigger tube might be fun. Not looking for a lot of power. Just a big tube barely idling. Any recommendations?

73 Eric KA1YRV

Date: Thu, 30 Oct 1997 15:26:30 -0800 (PST)

From: Ken Gordon <keng@uidaho.edu>

Subject: Hartleys...

I think I may have found THE power-supply for small Hartleys: it is the H-P 712B Regulated Power-supply. All tubes except for one small selenium rectifier. Real BA for sure.

Puts out 0 to +500 VDC at up to 200 ma, -300 vdc regulated bias at up to 50 ma, 0 to -150 VDC variable bias at 5 ma, 6.3 VAC CT at 10 amps.

Both regulated sources hold within 50 millivolts, no-load to full-load, and less than 100 millivolts for 10 % line voltage variation.

The only fly in the ointment is that it weighs 85 pounds (rack-mount), is 10 1/2 inches high, 19 inches wide, and 13 1/4 inches deep.

Probably bigger than Grandma Hartley.

Well, at least I got it for nothing. Sure wish I could find 3 more...

Hee hee!!!!

Ken W7EKB

Date: Thu, 30 Oct 1997 19:48:39 -0500 (EST)
From: leeb00@ct.net (Leon Wiltsey)
Subject: [none]

Hi Gang

jast a short note to all.
have received all promised info and equipment
with exception of Heath swr bridge info.
Am fed up with present server so am changing server as of 11/1/97
Pse hold all email until I get confirmation of new name and add from new
server, tnx
Will post new add upon receipt . from server.

Thank the good LORD for all that you have!!!

67yr old semi disabled senior trying to get code speed to 13wpm
(stroke got my eyesight, balance & coordination) SO ONLY BA'S NO SOLID STATE

Leon (lee) Wiltsey 4600 Lake Haven blvd Sebring fl. 33872 KF4RCL TECK+

Date: Thu, 30 Oct 1997 21:07:50 -0500 (EST)
From: leeb00@ct.net (Leon Wiltsey)
Subject: [none]

>Date: Thu, 30 Oct 1997 19:48:39 -0500 (EST)
>X-Sender: leeb00@ct.net
>To: BOATANCHORS@THEPORCH.COM
>From: leeb00@ct.net (Leon Wiltsey)
>Cc: GLOWBUGS@www.atl.org
>Sender: owner-glowbugs@www.atl.org

>Precedence: bulk
>
>Hi Gang
>
>jast a short note to all.
>have received all promised info and equipment
> with exception of Heath swr bridge info.
>Am fed up with present server so am changing server as of 11/1/97
>Pse hold all email until I get confirmation of new name and add from new
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Leon (lee) Wiltsey 4600 Lake Haven blvd Sebring fl. 33872 KF4RCL TECK+

Date: Thu, 30 Oct 1997 23:14:20 -0800 (PST)
From: Ken Gordon <keng@uidaho.edu>
Subject: 3579 QRG...

Heard N4QY talking with NA4G and WA9WFA, but didn't hear EITHER NA4G OR WA9WFA. N4QY said he was using a Heath SB something. Wonder what he was using for an antenna? Tried to BK, but no soap.

Shunted my 3579R545 rock with a variable cap tonight. Can pull it nearly 2 kHz before it gets hard to start. Decided that was kind of redundant so used the HG-10B VFO instead.

Rained hard here today. Then blew hard. Hope that portends a change in BAND conditions (but probably won't).

Ken W7EKB

Date: Fri, 31 Oct 1997 03:35:03 -0500
From: Steve Modena <ab4el@MindSpring.com>
Subject: V1 #141 again and again and again

Please!

The daily digests (plural) have had the number #141 since 10/23/97.

Let's fix it. :^)

People like me who archive it as published daily Web pages don't want to drive away readers who might think there is no traffic.

--

73/Steve/AB4EL ab4el@MindSpring
 http://SunSITE.unc.edu/hamradio.html

Date: Fri, 31 Oct 1997 10:36:04 +0100
From: Jan Axing <janax@algonet.se>
Subject: Re: Barracks Bag VFO

EWoodman@aol.com wrote:

>

> Anyone planning on building an ECO? If so, what are you planning on using for
> a tube? [in the Barracks Bag]

I have planned to use the EL34 (6CA7). The supressor grid is not internally connected to the cathode in these which I think is an advantage in this circuit. It's also almost pin compatible with 6L6, 6550, KT88 et al.

Jan, SM5GNN

Date: Fri, 31 Oct 1997 08:08:33 -0400
From: "Brian Carling" <bry@mnsinc.com>
Subject: Re: "500" going again!

Great idea Sandy. How's this for an additional safeguard.
You could let the core float above ground, by insulating it from the chassis it is mounted to. Just mount it on short standoffs or use the phenolic shoulder washers in the holes so that the screws don't contact the chassis.

Jus' an idear!

On 29 Oct 97 at 20:34, Sandy wrote:

> I'll have the old Viking 500 back on 3579 QRG tonight. I decided to
> try and repair the choke that blew. Had to disassemble it and pull the
> winding from
> the lamination stack. "Operated" on the flashed over cardboard bobbin
> (Actually did a 'bobbinectomy') Next unwound one damaged layer of the
> #23 wire & spliced with existing lead. Reinsulated with Scotch #23 HV
> rubber tape
> strips. Wounds about 4-5 layers of #23 Scotch rubber tape around the core
> followed by 2 layers of wide friction tape as a "shim". Reassembled the
> choke using strips of #23 in strategic areas prone to "flash over" to
> the core. "Meggered" with a General-Radio 500 volt megohmmeter and found
> no leakage. (Was actually about 150,000 megohms). Reinstalled in transmitter
> and so far, so good. It "hums" faintly under load, but who cares! Hopefully,
> the "repair" will hold up OK!
> 73, CU on 3579 if conditions permit!

>
> E. V. Sandy Blaize, W5TVW
> "Boat Anchors collected, restored, repaired, traded and used!"
> 417 Ridgewood Drive
> Metairie, LA., 70001
>
> **860 Hartley 'ECO' under construction****
>
>
>

*** 73 from Radio AF4K/G3XLQ Gaithersburg, MD USA *
** E-mail to: bry@mnsinc.com *
*** ICQ: 3910641 ***
** http://www.mnsinc.com/bry/ *

AM International #1024, TENTEN #13582. GRID FM19. Using a SWAN 250 on 6m,
Other rigs: Valiant, DX-60/HG-10, FT-840, TM-261, Ameco TX-62, Gonset Communicator III
HTX-202...TEN-TEN #13582, DXCC #17,763 Bicentennial WAS

Date: Fri, 31 Oct 1997 08:08:32 -0400
From: "Brian Carling" <bry@mnsinc.com>
Subject: Re: Barracks Bag VFO

This is great Jan - now you can work the world with your VFO!
Probably you will get about 15 watts of RF from that thing!

EL34 is a great tube - not as rugged as the 6550 or KT66 but still
a good bottle!

73 - Bry

On 31 Oct 97 at 10:36, Jan wrote:

> I have planned to use the EL34 (6CA7). The supressor grid is not internally
> connected to the cathode in these which I think is an advantage in this
> circuit. It's also almost pin compatible with 6L6, 6550, KT88 et al.
>
> Jan, SM5GNN

*** 73 from Radio AF4K/G3XLQ Gaithersburg, MD USA *
** E-mail to: bry@mnsinc.com *
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HTX-202...TEN-TEN #13582, DXCC #17,763 Bicentennial WAS

Date: Fri, 31 Oct 1997 08:24:35 -0400
From: "Brian Carling" <bry@mnsinc.com>
Subject: TMC Inquiry from Scotland

Can anyone answer this gentleman's questions?

Please e-mail your reply to him or respond in the newsgroup:
uk.radio.amateur

From: "Trig Rodgers" <m.rodgers@virgin.net>
Newsgroups: uk.radio.amateur
Subject: AN-URT 17A American Navy Transmitter
Date: Mon, 27 Oct 1997 03:38:48 -0000.

Has anybody anybody got any information on American Navy type transmitter/s An-URT17A / CPT-750D / CPT 750E manufactured by Technical Materials Corporation of I think, Mamaroneck New York. Is the manufacturer still in existence? This information for a Radio amateur friend who is currently restoring the above type URT17A from GM4NNC (Trig Rodgers) e-mail crosbie.rodgers@virgin.net
=====

End of forwarded message

*** 73 from Radio AF4K/G3XLQ Gaithersburg, MD USA *
** E-mail to: bry@mnsinc.com *
*** ICQ: 3910641 ***
** http://www.mnsinc.com/bry/ *

AM International #1024, TENTEN #13582. GRID FM19. Using a SWAN 250 on 6m,
Other rigs: Valiant, DX-60/HG-10, FT-840, TM-261, Ameco TX-62, Gonset Communicator III
HTX-202...TEN-TEN #13582, DXCC #17,763 Bicentennial WAS

Date: Fri, 31 Oct 1997 10:02:51 -0500 (EST)
From: "Roberta J. Barmore" <rbarmore@indy.net>
Subject: Re: "500" going again!

Hi!

On Fri, 31 Oct 1997, Brian Carling wrote:

> [...] How's this for an additional safeguard.
> You could let the core float above ground, by insulating it from the
> chassis it is mounted to. Just mount it on short standoffs or use the
> phenolic shoulder washers in the holes so that the screws don't
> contact the chassis.
> Jus' an idear!

Well, it's been done; a well-known emergency "fix" for a BC transmitter with a winding-to-core short in a choke (or whatever) was to stand the subject iron on a great many old-style short Coke bottles!

But it's not a good long-term fix, as you end up with a big object usually assumed to be grounded at a high potential instead. In Sandy's case, the "floated" *could* end up hot, and no way to be sure--an invitation to trouble.

A safer trick can be found in the old "Radio" Handbook: put the chokes in the B- side of the supply! It works just as well as having them in the B+, though you often have to change the grounding around to avoid shorting the choke. That way, the core sits at a *defined* potential, and the windings are at most only above that potential by the drop across 'em.

However, it can be awkward to implement in a commercial device. Simply repairing the choke, using plenty of good insulation where it will do most good, is perfectly acceptable. Done as Sandy describes, it should last at least as long as the original design did!

73,
--Bobbi

Date: Fri, 31 Oct 1997 10:31:29 -0500 (EST)
From: rdkeys@csemail.cropsci.ncsu.edu
Subject: Re:

> The Viking rigs used differential keying, which is described in some of the
> 1950s handbooks. Essentially, when you close the key, the oscillator starts,
> then--after a short time period--the amplifier is keyed. Upon key-up, the
> amplifier turns off, and then--after a delay--the oscillator is turned off.
>
> That way, the oscillator stabilizes before the PA is keyed, and no chirp is
> detected at the TX's output. It's a pretty neat way to fly.

The ideal way to go, really.

>> Keying the oscillator is only necessary for full break-in and from
>> listening to the bands, I have NEVER heard any QSO going on the
>> sounded like people were using full QSK.

The oscillator can be keyed differentially or by slow differential.
Differentially, it requires sequencing the contacts on one or two
relays or providing some other electronic lag system. Slow differential
only requires that the oscillator be turned on at the first keydown and
left on for sufficient time to remain on between words --- in modern parlance
that is called ``semi-breakin'' Yech! Once you have used full breakin it
is a step down to use manual or semi-breakin at anything other than liesure
speeds. QSK becomes fluid and conversational rather than round by round.
Even OT Hartleys will QSK with some fiddlin' with a regen set. All hands
are invited to try it sometime.

There is a cheapskates approach to differential keying, and QSK that
works very well with a little patience, on low power sets. It requires
a 3PDT relay or two SPDT relays. The trick is to sequence the relays
so that the antenna is removed from the receiver and grounded at the
receiver or shunted to the transmitter first, then the next contact
closes for the oscillator and the third contact closes for the amplifier.
It works very well at normal hand keying speeds using ordinary relays.
It requires fast reed relays at QRQ speeds. No fancy differential timing
circuits are required, just a carefully adjusted relay. Using two
relays, the antenna is fired on the first relay, with a small capacitor
to store a few milliseconds of charge and the second relay does the
differential keying. Carefully bend or otherwise adjust the contacts
to sequence properly as the relay actuates.

In the olden days, when real antenna relays existed, you could buy a good
one from Leach and other manufacturers that would do this very well.
All such relays had adjustable locking contact screws for finely setting
the timing of the various contacts.

The Navy used such relays in most of their aircraft and many ground sets
in WWII, but dropped QSK by the time Korea came about. Things like
the TBW, TCS, and similar rigs have fairly good QSK relays with sufficient
contacts to do good differential keying, too. The bigger ones are only good
up to about 20 wpm, but the smaller ones will get to 30wpm before falling
apart.

The Army used such relays in things like the BC-375 where effective

QSK could be done. That bloody thing will QSK easily at 35wpm when properly adjusted. Alas, with some 7 DPDT contacts to adjust, it is a bear, and requires special tooling and meters to set properly. The usual unadjusted random BC-375's will QSK to about 25 wpm easily.

Alas, it is a lot art using relays, anymore, mostly, but a few articles appear in the ham rags occasionally based upon reed designs.

There is nothing fancy to differentially keyed QSK, just a little forethought and a contact adjusting tool. Electronic forms are better, perhaps, but more complicated. Relays do fine with some fiddlin', and are more than satisfactory for glowbuggin' at hand keying speeds.

Bob/NA4G

Date: Fri, 31 Oct 1997 08:14:29 -0800 (PST)
From: Dave Booth <booth@pactitle.com>
Subject: 50.400 AM This Weekend

Hello all you 6M AM'ers.

I'll be out on 50.400 AM all this weekend from :

Sat 08:00-22-00(pst)
Sun 08:00-20:00(pst)

Have not heard much other than locals in the last few months, due I think from the lack of DX here on the West coast.

There have been scattered (small) openings lately.
Lets hope for the BIG opening to come this weekend! I'm ready!

I'll be running a Gonset "G-50" (D-104) and a Heath "twoer" and a Cushcraft ARX-6.

If you have not yet seen my 50.400 AM web page please check it out.
<http://www.geocities.com/Hollywood/5860/50am.html>

Catch ya on 50.400!

Dave Booth kc6wfs DM04rk
Saugus Ca
SMIRK # 6194
<http://www.geocities.com/Hollywood/5860/>

"It's fun to watch 'em glow!"

Date: Fri, 31 Oct 1997 11:53:02 -0500 (EST)
From: rdkeys@csemail.cropsci.ncsu.edu
Subject: The Bands was good last nite --- sees ye tonite and da weekend!

I was on off and on from 0000-0500Z, and worked BA stations in Guelph, Minnesota, and NC with Grandma Hartley huffin' and puffin' her 5 watteys de ether, and heard lots of others. Dropped down to 3520 and ran some QSO's with other OT chops in NY and elsewhere. The bands were quite good, and the ol' 2 tuber regenerator heard most everything out to the middle cow country and beyond. This weekend ought to be pretty good, barring rainstorms. After the halloweeners get done tonight, and the kiddies gets ta beddiebye, I hope to see ya aboard for a fine Glowbugge ralley. Squeeze in anywhere between 3575 and 3580, less the tfc net QRG's (or stand by for the net traffic to go by and jump in afterwards). Let's keep the BA/GB QRG rolling along until 0600Z or later and mebbie them thar western cow country folks will be able to chime in. Use yer Hartleys and regenerators if ye haves them up, and yer novicy thingies if ye can, and save yer big guns fer 0500Z if possible, to give the lesser bottled folks a chance ta be 'eard. Rockbound folks hang onto the QRG. Vfo controlled folks, drop a kc or two down to leaves some space for the rock bounders. I will run Grandma Hartley until 0500Z, then bring Big Bertha Radiomarine online. Hope ta sees ya there!

73/ZUT DE NA4G/Bob UP

End of glowbugs V1 #148
